

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Robert E. Haines

Confirmation No.:

Application No.:

Examiner:

Filing Date:

Group Art Unit:

Title: DYNAMIC MAPPING OF WIRELESS NETWORK DEVICES



COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e), and  
☐ a petition under 37 CFR 1.97(d)(2), and  
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EL823841297US

Date of Deposit 10-29-01

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Respectfully submitted,

Robert E. Haines

By

Thomas W. Leffert

Attorney/Agent for Applicant(s)  
Reg. No. 40,697

# PATENT APPLICATION

Sheet 1 of 4

PTO-1449

OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.  
**10012346-1**

APPLICANT  
**Robert E. Haines**

FILING DATE

APPLICATION NO. CONFIRMATION NO.

GROUP



## U.S. PATENT DOCUMENTS

REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
1A	4,644,532	2/17/87	George et al.		
1B	4,825,206	4/25/89	Brice, Jr. et al.		
1C	4,914,571	4/3/90	Baratz et al.		
1D	5,185,860	2/9/93	Wu		
1E	5,276,789	1/4/94	Besaw et al.		
1F	5,293,635	3/8/94	Faulk, Jr. et al.		
1G	5,297,138	3/22/94	Black		
1H	5,421,024	5/30/95	Faulk, Jr. et al.		
1I	5,450,408	9/12/95	Phaal		
1J	5,458,123	10/17/95	Unger		
1K	5,481,674	1/2/96	Mahavadi		

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
1L							
1M							
1N							
1O							
1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q Brochure, Hewlett-Packard Company "hp Open View - quick reference guide," 13 pgs. (2001).

1R

1S

DATE CONSIDERED

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	10012346-1		
	APPLICANT		
	Robert E. Haines		
	FILING DATE	GROUP	

REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	5,548,583	8/20/96	Bustamante		
	1B	5,548,722	8/20/96	Jalalian et al.		
	1C	5,594,731	1/14/97	Reissner		
	1D	5,611,050	3/11/97	Theimer et al.		
	1E	5,659,596	8/19/97	Dunn		
	1F	5,684,959	11/4/97	Bhat et al.		
	1G	5,687,320	11/11/97	Wiley et al.		
	1H	5,790,536	8/4/98	Mahany et al.		
	1I	5,793,975	8/11/98	Zeldin		
	1J	5,812,865	9/22/98	Theimer et al.		
	1K	5,862,404	1/19/99	Onaga		

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION
							YES NO
	1L						
	1M						
	1N						
	1O						
	1P						

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)	
1Q	
1R	
1S	
EXAMINER	DATE CONSIDERED

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10012346-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Robert E. Haines

FILING DATE

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	5,920,698	7/6/99	Ben-Michael et al.		
	1B	5,942,984	8/24/99	Toms et al.		
	1C	6,003,074	12/14/99	Vasconcellos		
	1D	6,038,600	3/14/00	Faulk, Jr. et al.		
	1E	6,061,505	5/9/00	Pitchaikani et al.		
	1F	6,067,093	5/23/00	Grau et al.		
	1G	6,084,867	7/4/00	Meier		
	1H	6,108,702	8/22/00	Wood		
	1I	6,151,624	11/21/00	Teare et al.		
	1J	6,151,631	11/21/00	Ansell et al.		
	1K	6,201,611	3/13/01	Carter et al.		

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	
1R	
1S	
EXAMINER	DATE CONSIDERED

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR</b> <b>APPLICANT'S INFORMATION DISCLOSURE</b> <b>STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	10012346-1		
	APPLICANT		
	Robert E. Haines		
	FILING DATE	GROUP	

### REFERENCE DESIGNATION U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	6,216,087	4/10/01	Want et al.		
	1B					
	1C					
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L							
	1M							
	1N							
	1O							
	1P							

### OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

1Q	
1R	
1S	
EXAMINER	
DATE CONSIDERED	